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10/731,643	12/08/2003	Preston J. Hunt	42P16777	4975

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EXAMINER
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MADAMBA, GLENFORD J

ART UNIT	PAPER NUMBER
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2151

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07/02/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/731,643

Applicant(s)

HUNT, PRESTON J.

Examiner

Glenford Madamba

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 6/1/2004.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Wilson, U.S. Patent US 7,007,080.

As per Claim 1, 11 and 16, Wilson discloses a method, comprising:

connecting a device to a network (e.g., network access / connection) [col 1, L10-15] [Figs. 1 & 2];

determining a unique identifier based on the network (e.g., current network settings of the client machine: IP address, DNS servers, Gateways, etc.) [col 3, L57-62] (Original IP for which the client is configured) [col 7, L43-60];

obtaining network configuration settings that are associated with the unique network identifier (Assigned IP, Gateway to use, DNS Server to use, etc) [Fig. 4] [col 12, L50-62];

intercepting network traffic originating from an application located on the device (e.g., intercepted requests by SolutionIP) [col 4, L5-20]; and

rerouting the intercepted network traffic to a final correct location using the obtained network configuration settings (redirecting / routing of traffic) [col 3, L43-51] [col 4, L5-26].

Claims 11 and 16 recite the same limitations as claim 1, are distinguished only by their statutory category, and thus rejected on the same basis.

As per Claims 2 and 17, Wilson discloses the method of claim 1 wherein the unique network identifier is comprised of one or more items from a group consisting of an Internet protocol address, a subnet mask, a domain name server address, a domain name server suffix, a default gateway, and a dynamic host configuration protocol (e.g., current network settings of the client machine: IP address, DNS servers, Gateways, etc.) [col 3, L57-62].

Claim 17 recites the same limitations as claim 2, is distinguished only by its statutory category, and thus rejected on the same basis.

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As per Claims 3, 12 and 18, Wilson discloses the method of claim 1 wherein connecting a device to a network and determining a unique identifier based on the network further comprises:

monitoring the connection between the device and the network [col 3, L1-35]  
[Figs. 1-3] [col 10, L10-30];

detecting a change in network connectivity; and determining the unique network identifier after a change in network connectivity [col 3, L1-35] [Figs. 1-3] [col 10, L10-30].

Claims 12 and 18 recite the same limitations as claim 3, are distinguished only by their statutory category, and thus rejected on the same basis.

As per Claims 4, 13 and 19, Wilson discloses the method of claim 1 wherein obtaining network configuration settings that are associated with the unique network identifier further comprises:

storing a list of information relating to one or more networks including at least a unique network identifier for each network and an associated set of network configuration settings for each network (e.g., dial-up / high-speed services for connecting to a network from the office, home/apartments, and/or hotels) [col 3, L1-35];  
and

looking up the unique network identifier in the stored list (e.g., current network settings {IP address, DNS servers, gateway, etc.} on the client machine) [col 3, L56-62]

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and obtaining the network configuration settings associated with that unique network identifier in the stored list (e.g., assigned network settings {returned / assigned IP address to use, Gateway to use, DNS server to use, etc.} returned to the user/guest computer) [col 12, L49-62].

Claims 13 and 19 recite the same limitations as claim 3, are distinguished only by their statutory category, and thus rejected on the same basis.

As per Claims 5, 14 and 20, Wilson discloses the method of claim 1 wherein intercepting network traffic originating from an application located on the device further comprises:

monitoring the network connection between the device and the network for outbound traffic from the device [Figs. 5, 6, and 7] [col 4, L20-26]; and

preventing outbound traffic from exiting the device [Figs. 5, 6, and 7] [col 4, L20-26].

Claims 14 and 20 recite the same limitations as claim 3, are distinguished only by their statutory category, and thus rejected on the same basis.

As per Claims 6 and 21, Wilson discloses the method of claim 5 wherein intercepting network traffic originating from an application located on the device further comprises:

implementing a network service on the device (e.g., traffic / packet examination) [col 10, L1034];

emulating a network interface card with the network service (e.g., exterior interface 707) [Fig. 7]; and

directing application network traffic to the emulated network interface card (e.g., exterior interface 707) [Fig. 7] (e.g., TCP port number) [col 4, L63-67].

Claim 21 recites the same limitations as claim 6, is distinguished only by its statutory category, and thus rejected on the same basis.

As per Claims 7 and 22, Wilson discloses the method of claim 5 wherein intercepting network traffic originating from an application located on the device further comprises:

implementing a network service on the device (e.g., traffic / packet examination) [col 10, L1034];

assigning the network service a unique network port number for each network-enabled application (e.g., TCP port number) [col 4, L63-67]; and

directing application network traffic to the unique network port number associated with the application (e.g., exterior interface 707) [Fig. 7] (e.g., TCP port number) [col 4, L63-67].

Claim 22 recites the same limitations as claim 7, is distinguished only by its statutory category, and thus rejected on the same basis.

As per Claims 8 and 23, Wilson discloses the method of claim 5 wherein intercepting network traffic originating from an application located on the device further comprises:

implementing a network service on the device (e.g. 'network service') [col 4, L64-67];

assigning the network service a unique network port number for each network protocol (e.g., TCP port number) [col 4, L64-67]; and

directing application network traffic to the unique network port number associated with the applicable network protocol (e.g., TCP port number) [col 4, L64-67].

Claim 23 recites the same limitations as claim 8, is distinguished only by its statutory category, and thus rejected on the same basis.

As per Claims 9 and 24, Wilson discloses the method of claim 5 wherein intercepting network traffic originating from an application located on the device further comprises:

implementing a network service on the device (e.g. 'network service') [col 4, L64-67];

emulating a SOCKS server with the network service (SolutionIP Server) [col 11, L4-7]; and

directing application network traffic to the emulated SOCKS server (SolutionIP Server) [col 11, L4-7].

Claim 24 recites the same limitations as claim 9, is distinguished only by its statutory category, and thus rejected on the same basis.



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As per Claims 10 and 25, Wilson discloses the method of claim 4 wherein rerouting the intercepted network traffic to a final correct location using the obtained network configuration settings further comprises:

determining the correct network protocol and final destination address by analyzing the network traffic originating from the application (e.g., HTTP, POP3, IP {TCP, UDP}) [Fig. 2] [col 10, L10-30];

routing the traffic to the proper destination address by utilizing the determined network protocol, the final destination address, and the obtained network configuration settings [Fig. 2] [col 10, L10-30] (e.g., assigned network settings {returned / assigned IP address to use, Gateway to use, DNS server to use, etc.} returned to the user/guest computer) [col 12, L49-62].

Claim 25 recites the same limitations as claim 10, is distinguished only by its statutory category, and thus rejected on the same basis.

### ***Conclusion***

1. The Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the

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references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- Mastrianni et al Patent No.: US 6615276 B1  
*Method and Apparatus for a Centralized Facility for Administering and Performing Connectivity and Information Management Tasks for a Mobile User*

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenford Madamba whose telephone number is 571-272-7989. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on 571-272-3939. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Glenford Madamba  
Examiner  
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A handwritten signature in black ink, appearing to read 'Zarni Maung', with a long horizontal flourish extending to the right.

**ZARNI MAUNG**  
**PROVISORY PATENT EXAMINER**